



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

BMS Field Theories and Modular Invariance

Arjun Bagchi

(IIT, Kanpur)

Date: Sept. 17, 2018

Time: 11.30 am

Venue: A-304, TIFR



In this talk, we will consider 2d field theories invariant under the BMS algebra, putatively dual to 3d Minkowski spacetimes and discuss the notion of a version of modular invariance in these theories. We will revisit the derivation of the BMS-Cardy formula and its reproduction of the entropy of cosmological horizons in flat space. We would then discuss in detail the construction of characters for these 2d field theories.